

## **Product datasheet for RC206267L3**

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OriGene Technologies, Inc.

## SOCS5 (NM\_144949) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** SOCS5 (NM\_144949) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: SOCS5

Synonyms: CIS6; Cish5; CISH6; SOCS-5

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

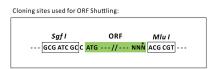
E. coli Selection: Chloramphenicol (34 ug/mL)

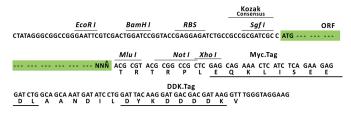
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC206267).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_144949

ORF Size: 1608 bp





## SOCS5 (NM\_144949) Human Tagged Lenti ORF Clone - RC206267L3

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 144949.2</u>

RefSeq Size:4510 bpRefSeq ORF:1611 bpLocus ID:9655

UniProt ID: <u>075159</u>

Cytogenetics: 2p21

**Domains:** SH2, SOCS

**Protein Families:** Druggable Genome

**Protein Pathways:** Jak-STAT signaling pathway

**MW:** 61.2 kDa

**Gene Summary:** The protein encoded by this gene contains a SH2 domain and a SOCS BOX domain. The

protein thus belongs to the suppressor of cytokine signaling (SOCS) family, also known as STAT-induced STAT inhibitor (SSI) protein family. SOCS family members are known to be cytokine-inducible negative regulators of cytokine signaling. The specific function of this protein has not yet been determined. Two alternatively spliced transcript variants encoding

an identical protein have been reported. [provided by RefSeq, Jul 2008]